L Number	Hits	Search Text	DB	Time stamp
1	7689	valid\$3 adj (bit or indicator or flag or semaphore)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 15:56
2	1286	invalid\$3 adj (bit or indicator or flag or semaphore)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 15:03
3	2226	(dirty or modified) adj (bit or indicator or flag or semaphore)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 15:04
4	3264	mark\$3 near3 (dirty or modified)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 15:04
5	1974	mark\$3 near3 valid\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 15:04
6	1961	mark\$3 near3 invalid\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:04
7	3469580	fill\$3 or load\$3 or refill\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:04
8	89325	(fill\$3 or load\$3 or refill\$3) with (disk or dasd or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:05
9	142638	(fill\$3 or load\$3 or refill\$3) same (disk or dasd or disc)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:05
12	15780	(miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:43
13	456	<pre>((valid\$3 adj (bit or indicator or flag or semaphore) ) or (invalid\$3 adj (bit or indicator or flag or semaphore) ) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3)) same ((miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 15:06
14	99	<pre>(((dirty or modified) adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 (dirty or modified))) same ((miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:07
15	1456		USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:07

17	38	modified) adj (bit or indicator or flag	USPAT; US-PGPUB;	2003/11/25 15:07
		or semaphore)) or (mark\$3 near3 (dirty or modified))) same ((miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3)))	EPO; JPO; DERWENT; IBM_TDB	, ,
10	16	or semaphore) ) or (invalid\$3 adj (bit or indicator or flag or semaphore) ) or	USPAT; US-PGPUB; EPO; JPO;	2003/11/25 15:07
		(mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3)) same ((fill\$3 or load\$3 or refill\$3) with (disk or dasd or disc))	DERWENT; IBM_TDB	
11	9	<pre>(((dirty or modified) adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 (dirty or modified))) same ((fill\$3 or load\$3 or refill\$3) with</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25   15:11
16	79	(disk or dasd or disc))	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 15:18
		<pre>valid\$3) or (mark\$3 near3 invalid\$3)) same ((miss\$3 or mis-hit) same (fill\$3 or load\$3 or refill\$3)))</pre>	IBM_TDB	
18	2704	<pre>(miss\$3 or mis-hit) near2 (page or segment)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:47
19	9	((fill\$3 or load\$3 or refill\$3) same (disk or dasd or disc)) same ((miss\$3 or mis-hit) near2 (page or segment))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:47
20	80	<pre>((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore) ) or (invalid\$3 adj (bit or indicator or flag or semaphore) ) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 15:47
21	17	<pre>((miss\$3 or mis-hit) near2 (page or segment)) same (((dirty or modified) adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 (dirty or modified)))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:48
22	40	<pre>cach\$3 same (((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore) ) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3)))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 15:48
23	12	<pre>cach\$3 same (((miss\$3 or mis-hit) near2 (page or segment)) same (((dirty or modified) adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 (dirty or modified))))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:48
25	5	<pre>(((miss\$3 or mis-hit) near2 (page or segment)) same (((dirty or modified) adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 (dirty or modified)))) not (cach\$3 same (((miss\$3 or mis-hit) near2 (page or segment)) same (((dirty or modified) adj (bit or indicator or flag</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 15:48
		or semaphore)) or (mark\$3 near3 (dirty or modified)))))		

		<del></del>		
24	40	<pre>(((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore) ) or (invalid\$3 adj (bit or indicator or flag or semaphore) ) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3))) not (cach\$3 same (((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore) ) or (invalid\$3 adj (bit or indicator or flag or semaphore) ) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3))))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 15:48
26	39743	dma or (direct adj memory adj access\$3) or dmac	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:49
27	33	(dma or (direct adj memory adj access\$3) or dmac) same ((miss\$3 or mis-hit) near2 (page or segment))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 15:50
28	0	((dma or (direct adj memory adj access\$3) or dmac) same ((miss\$3 or mis-hit) near2 (page or segment))) and (((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3))) not (cach\$3 same (((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 valid\$3) or (mark\$3 near3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25
29	16	invalid\$3))))) (dma or (direct adj memory adj access\$3) or dmac) and (((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3))) not (cach\$3 same (((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore)) or (mark\$3 near3 valid\$3) or (mark\$3 near3 invalid\$3)))))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 15:51

30	24	<pre>((((miss\$3 or mis-hit) near2 (page or segment)) same ((valid\$3 adj (bit or indicator or flag or semaphore) ) or</pre>	USPAT; US-PGPUB; EPO; JPO;	2003/11/25 15:55
		(invalid\$3 adj (bit or indicator or flag		
			DERWENT;	1
		or semaphore) ) or (mark\$3 near3 valid\$3)	IBM_TDB	
		or (mark\$3 near3 invalid\$3))) not (cach\$3		
l i		same (((miss\$3 or mis-hit) near2 (page or		
		segment)) same ((valid\$3 adj (bit or		
		indicator or flag or semaphore) ) or		
		(invalid\$3 adj (bit or indicator or flag		
		or semaphore) ) or (mark\$3 near3 valid\$3)	'	
		or (mark\$3 near3 invalid\$3))))) not ((dma		
!		or (direct adj memory adj access\$3) or		
		dmac) and (((miss\$3 or mis-hit) near2		1
		(page or segment)) same ((valid\$3 adj		1
		(bit or indicator or flag or semaphore) )		l .
		or (invalid\$3 adj (bit or indicator or		
		flag or semaphore) ) or (mark\$3 near3		
		valid\$3) or (mark\$3 near3 invalid\$3)))		
		not (cach\$3 same (((miss\$3 or mis-hit)		
		near2 (page or segment)) same ((valid\$3		
		adj (bit or indicator or flag or		
		semaphore) ) or (invalid\$3 adj (bit or		
		indicator or flag or semaphore) ) or		]
		(mark\$3 near3 valid\$3) or (mark\$3 near3		
21	4104	invalid\$3)))))		0000/11/05
31	4104	(dma or (direct adj memory adj access\$3)	USPAT;	2003/11/25
		or dmac) near5 (mark\$3 or set or setting	US-PGPUB;	15:56
		or clear or reset or update)	EPO; JPO; DERWENT;	
32	960	//dws on /dimest add memory add aggages)	IBM_TDB	2002/11/25
32	960	((dma or (direct adj memory adj access\$3)	USPAT;	2003/11/25
		or dmac) near5 (mark\$3 or set or setting	US-PGPUB;	15:56
		or clear or reset or update)) near10 (bit or indicator or flag or semaphore)	EPO; JPO;	
		or indicator of frag of Semaphore)	DERWENT;	
35	5	modified with (((dma or (direct adj	IBM_TDB USPAT;	2003/11/25
] 33	5	memory adj access\$3) or dmac) near5	USPAT; US-PGPUB;	15:57
		(mark\$3 or set or setting or clear or	EPO; JPO;	10.07
		reset or update)) near10 (bit or	DERWENT;	
		indicator or flag or semaphore) )	IBM TDB	
34	19		USPAT;	2003/11/25
"	19	adj access\$3) or dmac) near5 (mark\$3 or	US-PGPUB;	15:58
		set or setting or clear or reset or	EPO; JPO;	
		update)) near10 (bit or indicator or flag	DERWENT;	
		or semaphore) )	IBM TDB	
33	73	(valid\$3 or invalid\$3) with (((dma or	USPAT;	2003/11/25
55	/3	(direct adj memory adj access\$3) or dmac)	US-PGPUB;	16:00
		near5 (mark\$3 or set or setting or clear	EPO; JPO;	-0.00
		or reset or update)) near10 (bit or	DERWENT;	
		indicator or flag or semaphore) )	IBM_TDB	İ
		indicator of frag of semaphore,	11011 1100	<u> </u>

L Number	Hits	Search Text	DB	Time stamp
1	6750	valid\$3 adj (bit or indicator or flag or semaphore)	USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 14:10
2	1130	invalid\$3 adj (bit or indicator or flag or semaphore)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 14:10
3	1992	(dirty or modified) adj (bit or indicator or flag or semaphore)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 14:10
4	3262	mark\$3 near3 (dirty or modified)	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25
5.	1974	mark\$3 near3 valid\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 14:10
6	1961	mark\$3 near3 invalid\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 14:10
7	39743	dma or (direct adj memory adj access\$3) or dmac	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT;	2003/11/25 14:11
8	75956	cach\$3	IBM_TDB USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:15
9	131	<pre>((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore))) same (dma or (direct adj memory adj access\$3) or dmac)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:17
10	87	cach\$3 and (((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore))) same (dma or (direct adj memory adj access\$3) or dmac))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:16
12	51	((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac)	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:16
13	37	<pre>(((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac)) and cach\$3</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:17
15	0	(((mark\$3 near3 (dirty or modified)) and (mark\$3 near3 valid\$3)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:18
16	1	<pre>(((mark\$3 near3 (dirty or modified)) and (mark\$3 near3 valid\$3)) same (dma or (direct adj memory adj access\$3) or dmac))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM TDB	2003/11/25 14:17

11	44	(((valid\$3 adj (bit or indicator or flag	USPAT;	2003/11/25
		or semaphore)) or (invalid\$3 adj (bit or	US-PGPUB;	14:18
		indicator or flag or semaphore))) same	EPO; JPO;	
		(dma or (direct adj memory adj access\$3)	DERWENT;	
		or dmac)) not (cach\$3 and (((valid\$3 adj	IBM TDB	
		(bit or indicator or flag or semaphore))	_	
		or (invalid\$3 adj (bit or indicator or		
		flag or semaphore))) same (dma or (direct		
		adj memory adj access\$3) or dmac)))		
14	14		USPAT;	2003/11/25
		indicator or flag or semaphore)) same	US-PGPUB;	14:23
		(dma or (direct adj memory adj access\$3)	EPO; JPO;	
		or dmac)) not (((dirty or modified) adj	DERWENT;	
1		(bit or indicator or flag or semaphore))	IBM TDB	
		same (dma or (direct adj memory adj	<del>-</del>	
		access\$3) or dmac)) and cach\$3)		
17	9		USPAT;	2003/11/25
	1	invalid\$3)) same (dma or (direct adj	US-PGPUB;	14:27
	1	memory adj access\$3) or dmac)) not cach\$3	EPO; JPO;	
		anomonia de la compania del compania de la compania de la compania del compania de la compania del compania de la compania de la compania de la compania del la compania del compania de la compania del compania d	DERWENT;	
			IBM TDB	
18	13	((mark\$3 near3 (dirty or modified)) same	USPĀT;	2003/11/25
		(dma or (direct adj memory adj access\$3)	US-PGPUB;	14:29
		or dmac)) not cach\$3	EPO; JPO;	
			DERWENT;	
			IBM TDB	
19	376	(((valid\$3 adj (bit or indicator or flag	USPAT;	2003/11/25
		or semaphore)) or (invalid\$3 adj (bit or	US-PGPUB;	14:30
		indicator or flag or semaphore)) or	EPO; JPO;	
		(mark\$3 near3 valid\$3) or (mark\$3 near3	DERWENT;	
		invalid\$3)) and (dma or (direct adj	IBM TDB	
		memory adj access\$3) or dmac)) not cach\$3	-	
20	1039	((valid\$3 or invalid\$3) same (dma or	USPAT;	2003/11/25
		(direct adj memory adj access\$3) or	US-PGPUB;	14:32
	1	dmac)) not cach\$3	EPO; JPO;	
			DERWENT;	
			IBM TDB	
21	775	((dirty or modified) same (dma or (direct	USPAT;	2003/11/25
		adj memory adj access\$3) or dmac)) not	US-PGPUB;	14:31
		cach\$3	EPO; JPO;	
			DERWENT;	
			IBM TDB	
22	95	(((valid\$3 or invalid\$3) same (dma or	USPAT;	2003/11/25
		(direct adj memory adj access\$3) or	US-PGPUB;	14:31
		dmac)) not cach\$3) and (((dirty or	EPO; JPO;	
		modified) same (dma or (direct adj memory	DERWENT;	
		adj access\$3) or dmac)) not cach\$3)	IBM TDB	

23	64	((((valid\$3 or invalid\$3) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3) and (((dirty or modified) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3)) not ((((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore))) same (dma or (direct adj memory adj access\$3) or dmac)) not (cach\$3 and (((valid\$3 adj (bit or indicator or flag or semaphore))) or (invalid\$3 adj (bit or indicator or flag or semaphore))) same (dma or (direct adj memory adj access\$3) or dmac)))) or ((((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac))) not ((((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac)) not ((((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac)) and cach\$3)) or ((((mark\$3 near3 valid\$3)) or (mark\$3 near3 invalid\$3)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3) or (((mark\$3 near3 (dirty or modified)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3))	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 14:31
24	172	<pre>(((mark\$3 or indicat\$3) near5 (valid\$3 or invalid\$3)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25
25	29	modified)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 14:33
26	2	<pre>((((mark\$3 or indicat\$3) near5 (valid\$3 or invalid\$3)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3) and ((((mark\$3 or indicat\$3) near5 (dirty or modified)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3)</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 14:33
28	14	<pre>((((mark\$3 or indicat\$3) near5 (dirty or modified)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3) not (((((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore))) same (dma or (direct adj memory adj access\$3) or dmac)) not (cach\$3 and (((valid\$3 adj (bit or indicator or flag or semaphore)) or (invalid\$3 adj (bit or indicator or flag or semaphore))) same (dma or (direct adj memory adj access\$3) or dmac))) or ((((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac)) not ((((dirty or modified) adj (bit or indicator or flag or semaphore)) same (dma or (direct adj memory adj access\$3) or dmac)) and cach\$3)) or ((((mark\$3 near3 valid\$3)) or (mark\$3 near3 invalid\$3)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3) or (((mark\$3 near3 (dirty or modified)) same (dma or (direct adj memory adj access\$3) or dmac)) not cach\$3))</pre>	USPAT; US-PGPUB; EPO; JPO; DERWENT; IBM_TDB	2003/11/25 14:34

27	136	((((mark\$3 or indicat\$3) near5 (valid\$3	USPAT;	2003/11/25
		or invalid\$3)) same (dma or (direct adj	US-PGPUB;	14:35
		memory adj access\$3) or dmac)) not	EPO; JPO;	
		cach\$3) not (((((valid\$3 adj (bit or	DERWENT;	
		indicator or flag or semaphore)) or	IBM TDB	i
		(invalid\$3 adj (bit or indicator or flag	_	Į.
		or semaphore))) same (dma or (direct adj		İ
		memory adj access\$3) or dmac)) not		
		(cach\$3 and (((valid\$3 adj (bit or		
		indicator or flag or semaphore)) or	i	ţ
		(invalid\$3 adj (bit or indicator or flag		
		or semaphore))) same (dma or (direct adj		
		memory adj access\$3) or dmac)))) or		
		((((dirty or modified) adj (bit or		
		indicator or flag or semaphore)) same		•
		(dma or (direct adj memory adj access\$3)		į
		or dmac)) not (((dirty or modified) adj		
		(bit or indicator or flag or semaphore))		
		same (dma or (direct adj memory adj		·
		access\$3) or dmac)) and cach\$3)) or		
		((((mark\$3 near3 valid\$3) or (mark\$3		
1		near3 invalid\$3)) same (dma or (direct		
		adj memory adj access\$3) or dmac)) not		
		cach\$3) or (((mark\$3 near3 (dirty or		
		modified)) same (dma or (direct adj		
		memory adj access\$3) or dmac)) not		
		cach\$3))		